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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,827	01/21/2004	Xiuli Sun	20039.000211/SH119/04007A	4455
26694	7590	12/08/2006	[REDACTED]	EXAMINER
VENABLE LLP				LU, C CAIXIA
P.O. BOX 34385			[REDACTED]	ART UNIT
WASHINGTON, DC 20043-9998				PAPER NUMBER
			1713	

DATE MAILED: 12/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/761,827	SUN ET AL.	
	Examiner Caixia Lu	Art Unit 1713	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 20 October 2006.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 12-40 is/are pending in the application.
 4a) Of the above claim(s) 34-40 is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 12-33 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Applicants are reminded that in an amendment, the deleted portion should be stroked through or double bracketed.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on October 10, 2006 has been entered.

Specification

3. The disclosure is objected to because of the following informalities: the numbering format throughout the specification, e.g., in at least pages 13 and 15, is not in a proper format for a printed publication. Appropriate correction is required.

Claim Rejections - 35 USC § 112

4. Claims 12-33 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Neither applicants' have identified nor the examiner is able to locate the exact sections (including pages and lines) in the

Art Unit: 1713

specification which support the instant amendment regarding the definition of "G" in claims 12 and 14 and definition of "D" as "NR⁵" of claim 14.

In independent claims 12 and 14, the bond between D and B is represented by "→" which is specifically used to represent a dative bond in the art. However, claims 20, 21, 22, and 24-27 exemplify the "→" bond as single or double bond, thus, the structures of those claims lack antecedence.

Claim Rejections - 35 USC § 102

5. Claims 1-14, 16-23 and 28-33 are rejected under 35 U.S.C. 102(b) as being anticipated by Ittel et al. (US 6,531,424).

Ittel teaches a catalyst composition comprising a metal complex such as the titanium complex, (XVII)-TiCl₃, exemplified in Example 7 of col. 19 and the ligand structure of (XVII)-TiCl₃ is demonstrated in lines 35-45 of col. 18; wherein the linear "C=N" structure is the "B→D" of the instant claims, the "O" attached to phenyl ring is "A" of the instant claims, the "N" in the aromatic ring is "E" of the instant claims, and the rest of said aromatic structure is the substituted phenylene. Therefore, (XVII)-TiCl₃ reads on the metal complex represented by, e.g., the third structure of claim 20.

Allowable Subject Matter

6. Claims 15 and 24-27 would be allowable if the rejection under 35 U.S.C. 112, 1st paragraph, set forth in this Office action is overcome since Ittel does not teach or reasonably suggested the metal complexes of the instant claims.

Art Unit: 1713

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached from 9:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful and the matter is urgent, the examiner's supervisor, David Wu, can be reached at (571) 272-1114. The fax numbers for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1700.



Caixia Lu, Ph. D.
Primary Examiner